








**WAXES FOR PRODUCING PRINTING INKS**

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**Abstract of WO0164799**

The invention relates to the use of mixtures for producing printing inks. Said mixtures consist of: a) a homopolymerizate or copolymerizate of C2-C18-  $\alpha$ -olefins, which are produced by means of metallocene catalysis, and of decomposing waxes, which are prepared from polyolefins of longer chain lengths produced by means of metallocene catalysis, with one or more additional additives selected from the group comprised of: b) polytetrafluoroethylene having a molecular weight (Mn) ranging from 30,000 to 2,000,000 g/mol; c) a thermoplastic PTFE having a molecular weight (Mn) ranging from 500,000 to 10,000,000 g/mol whose particle size ranges from 1-100  $\mu$ m; d) amide waxes produced by reacting ammonia or ethylene diamine with saturated and unsaturated fatty acids; e) montan waxes including acid and ester waxes whose carboxylic acid has a carbon chain length ranging from C22 to C36; f) natural vegetable waxes; g) conversion products of sorbite (sorbitol) with saturated and/or unsaturated fatty acid and/or montan acids; h) synthetic hydrocarbons; i) paraffins and microcrystalline waxes which accrue during the refinery of petroleum; j) polar polyolefin waxes produced by oxidizing ethylene homopolymer and copolymer waxes or propylene homopolymer and copolymer waxes or by the grafting thereof to maleic anhydride; k) polyamides whose particle sizes range from 1-100  $\mu$ m; l) polyolefins, such as polyethylene, polypropylene or their copolymers of a high or low density having molecular weights (Mn) ranging from 10,000 to 1,000,000 g/mol whose particle sizes range from 1-100  $\mu$ m, and; m) agents which, in general, reduce the surface tension of liquids (wetting agents).

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